

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1(Currently Amended). A method for manufacturing an iron golf club head, the method comprising:

attaching a face plate to a periphery member to create a base assembly, the periphery member having a sole wall, a toe wall extending upward from the sole wall at a first end of the sole wall, a hosel extending upward from the sole wall at a second end of the sole wall, and a heel wall extending upward from the sole wall, the face plate composed of a titanium alloy material ~~having a density ranging from 4.5g/cm³ to 6.0g/cm³~~, the periphery member composed of an iron-nickel-tungsten alloy material having a density ranging from 8g/cm³ to 11g/cm³, wherein the periphery member has a volume percentage of the iron golf club head ranging from 15% to 50%, and a mass percentage of the iron golf club head ranging from 50% to 80%; and

bonding a central member to the base assembly, the central member having a body portion with a forward surface, a sole surface, a top surface, a toe surface, a heel surface and a flange extending from the top surface at an intersection of the top surface and the forward surface, the central member having a rear cavity defined by the body portion, the central member composed of a non-metal material having a density ranging from 0.9g/cm³ to 2.5g/cm³, wherein the central member has a volume percentage of the iron golf club head ranging from 25% to 75%, and a mass percentage of the iron golf club head ranging from 10% to 30%;

wherein the iron golf club head has a volume ranging from 40.0 cm³ to 60.0 cm³, a mass ranging from 240 grams to 270 grams, and a moment of inertia I_{zz} through the Z-axis of the center of gravity that ranges from 2200g-cm² to 3000g-cm².

2 (Canceled).

3 (Original). The method according to claim 1 wherein the central member is composed of a bulk molding compound.

4-6 (Canceled).

7 (Currently Amended). A method for manufacturing an iron golf club head, the method comprising:

attaching a metal face plate to a metal periphery member to create a base assembly, the face plate composed of a titanium alloy material, the periphery member having a sole wall, a toe wall extending upward from the sole wall at a first end of the sole wall, a hosel extending upward from the sole wall at a second end of the sole wall, and a heel wall extending upward from the sole wall, the periphery member composed of an iron-nickel-tungsten alloy material having a density ranging from 8g/cm³ to 11g/cm³, wherein the periphery member has a volume percentage of the iron golf club head ranging from 15% to 50%, and a mass percentage of the iron golf club head ranging from 50% to 80%;

bonding a non-metal central member to the base assembly using an adhesive, the central member having a body portion with a forward surface, a sole surface, a top surface, a toe surface, a heel surface and a flange extending from the top surface at an intersection of the top surface and the forward surface, the central member having a rear cavity defined by the body portion, the forward surface of the central member adhered to an interior surface of the face plate and the flange of the central member adhered to an upper perimeter of the face plate, the central member composed of a non-metal material having a density ranging from 0.9g/cm^3 to 2.5g/cm^3 , wherein the central member has a volume percentage of the iron golf club head ranging from 25% to 75%, and a mass percentage of the iron golf club head ranging from 10% to 30%;

wherein the iron golf club head has a volume ranging from 40.0 cm^3 to 60.0 cm^3 , a mass ranging from 240 grams to 270 grams, and a moment of inertia I_{zz} through the Z-axis of the center of gravity that ranges from 2200g-cm^2 to 3000g-cm^2 .

8 (Original). The method according to claim 7 wherein attaching the face plate to the periphery member comprises swaging the face plate onto the periphery member by deforming the face plate or the periphery member.

9 (Original). The method according to claim 7 wherein attaching the face plate to the periphery member comprises brazing the face plate to the periphery member.

10 (Original). The method according to claim 7 wherein attaching the face plate to the periphery member comprises adhering the face plate to the periphery member with an adhesive.

11 (Original). The method according to claim 7 wherein attaching the face plate to the periphery member comprises swaging the face plate onto the periphery member by use of a brass locking ring.